

## Standards Actions June 2003

Visit the Technical Standards  
Program Web Site at  
<http://tis.eh.doe.gov/techstds/>



### DOE Technical Standards Program Document Status

05-31-2003

#### Activity Summary

In Conversion – 4

In Preparation – 52

Out for Comment – 31

Published this Month – 1



#### 5-year Review Status

Revision in Progress – 11

Reaffirmation in Progress – 9

Cancellation Pending – 19

Cancellation in Progress – 4

No Current Action – 0

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# STANDARDS ACTIONS



## DOE Technical Standards Projects Initiated

Complete listings of all DOE Technical Standards projects and their status are given on the Technical Standards Program (TSP) Web Site (<http://tis.eh.doe.gov/techstds/>). To access these lists from the home page, click on “DOE Technical Standards,” then click on “Projects” in the left-hand frame to show the links to the project lists.

- *Nuclear Explosive Safety Functional Area Qualification Standard*, Project Number TRNG-0039; Project Contact: M. Norman Schwartz, EH-53; phone 301-903-2996; fax 301-903-6172; e-mail [Norm.Schwartz@eh.doe.gov](mailto:Norm.Schwartz@eh.doe.gov).

## DOE Technical Standards Recently Sent for Coordination

The appropriate Technical Standards Managers (TSM) will request specific reviewers to comment on these drafts. The full text of the documents is available on the TSP Web site. If you wish to comment on this document, please notify your TSM.

- *Safeguards and Security Functional Area Standard*, Project Number TRNG-0038, contact: M. Norman Schwartz, EH-53; phone 301-903-2996; fax 301-903-6172; e-mail [Norm.Schwartz@eh.doe.gov](mailto:Norm.Schwartz@eh.doe.gov). Comments are due July 11, 2003.

## DOE Technical Standards Discontinued

- HFAC-0015, *Writer's Guide for Technical Procedures* (revision to DOE-STD-1029-92).

Please contact M. Norman Schwartz, [Norm.Schwartz@eh.doe.gov](mailto:Norm.Schwartz@eh.doe.gov), if you have questions about this discontinued Project.

## DOE Technical Standards Recently Published

The following DOE Technical Standards were recently published and posted on the TSP Web site:

- DOE-STD-1128-98 (Reaffirmed with Errata), *Guide of Good Practices for Occupational Radiological Protection in Plutonium Facilities*, May 2003.

Published DOE Standards (DOE Standards, Specifications, Handbooks, and Technical Standards lists) may be obtained as follows:

**DOE employees and DOE contractors** may obtain copies from the ES&H Technical Information Services, U.S. Department of Energy; phone 800-473-4375, fax 301-903-9823.

**Subcontractors and the general public** may obtain copies from the U.S. Department of Commerce, Technology Administration, National Technical Information Service, Springfield, Virginia 22161; phone 703-605-6000, fax 703-605-6900.

Copies are also available on the TSP Web site.

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## Non-Government Standards

### American National Standards Institute

The American National Standards Institute (ANSI) publishes coordination activities of non-Government standards (NGS) biweekly in *ANSI Standards Action*. Recent electronic copies (no hardcopies are produced) are available on the ANSI Web site at [http://web.ansi.org/rooms/room\\_14/](http://web.ansi.org/rooms/room_14/). Electronic back copies are available to ANSI members only. For information on site membership, ask your local ANSI contact. For information on individual or group ANSI membership, contact Susan Bose at 212-642-4948 or [sbose@ansi.org](mailto:sbose@ansi.org).

Hardcopy versions of published non-Government standards listed in this section may be obtained from Global Engineering Documents, 15 Inverness Way East, Englewood, Colorado, 80112; phone 800-854-7179; fax 303-397-2740, [global@ihts.com](mailto:global@ihts.com), <http://global.ihts.com>. Electronic delivery of selected documents is available through ANSI at <http://webstore.ansi.org>. Copies of the listed draft standards and the procedure for commenting on them may be obtained by contacting the standards developing organization.

The following listings are extracted from *ANSI Standards Action* and are representative of NGS development activities that may be relevant to DOE operations. Refer to *ANSI Standards Action* for a more extensive listing of changes and new publications, standards developing organizations, and additional information about submitting comments. Additional information on ANSI activities and available non-Government standards can be found on the ANSI Web site, <http://www.ansi.org>, or through the National Standards System Network, <http://www.nssn.org>.

**The following American National Standards are currently in coordination** (comment due dates follow each entry):

- ANS 2.26-200x, *Categorization of Nuclear Facility Structures, Systems and Components for Seismic Design* (new standard) – July 7, 2003.
- API RP 1162-200x, *Public Awareness Programs for Pipeline Operators, First Edition* (new standard) – July 14, 2003.
- ARI 340/360-200x, *Commercial and Industrial Unitary Air-Conditioning and Heat Pump Equipment* (new standard) – July 8, 2003.
- ARI 400-200x, *Liquid to Liquid Heat Exchangers* (new standard) – July 8, 2003.
- ASHRAE 55P-200x, *Thermal Environmental Conditions for Human Occupancy* (new standard) – June 16, 2003.

- ASQ E4-200x, *Quality Systems for Environmental Data and Technology Programs: Specification with Guidance for Use* (revision of ANSI/ASQC E4-1994) – June 30, 2003.
- ASSE 1069-2003, *Performance Requirements for Automatic Temperature Control Mixing Valves* (new standard) – July 22, 2003.
- AWS C5.10-200x, *Recommended Practices for Shielding Gases for Welding and Cutting* (revision of ANSI/AWS C5.10-1994) – July 15, 2003.
- FCI 79-1-200x, *Proof of Pressure Rating for Pressure Regulators* (revision of ANSI/FCI 79-1-1986 (R1993)) – July 14, 2003.
- ICC A117.1-200x, *Accessible and Useable Buildings and Facilities* (revision of ANSI/ICC A117.1-1998) – July 7, 2003.
- NEMA PB 1.1-200x, *General Instructions for Proper Handling, Installation, Operation, and Maintenance of Panelboards Rated 600 Volts or Less* (revision of ANSI/NEMA PB 1.1-1996) – June 30, 2003.
- UL 199-200x, *Standard for Safety for Automatic Sprinklers for Fire-Protection Service* (revision of ANSI/UL 199-2003) – July 14, 2003.
- UL 541-200x, *Standard for Safety for Refrigerated Vending Machines* (revision of ANSI/UL 541-2001) – June 23, 2003.
- UL 913-200x, *Standard for Safety for Intrinsically Safe Apparatus and Associated Apparatus for Use in Class I, II, III, Division 1, Hazardous (Classified) Locations* (revision of ANSI/UL 913-2002) – June 23, 2003.
- UL 977-200x, *Fused Power-Circuit Devices* (revision of ANSI/UL 977-1984) – June 16, 2003.
- UL 60950-21-200x, *Information Technology Equipment—Safety—Part 21: Remote Power Feeding* (new standard) – June 23, 2003.
- Z88.2-200x, *Practices for Respiratory Protection* (new standard) – June 16, 2003.
- Z89.1-200x, *Industrial Head Protection* (revision of ANSI Z89.1-1997) – July 15, 2003.

**The following American National Standards have been approved for publication.** Publication status and ordering information may be obtained from ANSI's Customer Service at 212-642-4900. (Publication is to take place within six months following the date shown.)

- ANSI/AGA Z223.1a-2003, *National Fuel Gas Code* (supplement to ANSI Z223.1-2002) – May 9, 2003.
- ANSI/ASME HPS-2003, *High Pressure Systems* (revision of ANSI/ASME HPS-1994) – April 18, 2003.

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- ANSI/AWS B5.1-2003, *Specification for the Qualification of Welding Inspectors* (new standard) – April 29, 2003.
- ANSI B11.19-2003, *Performance Criteria for the Design, Construction, Care, and Operation of Safeguarding When Referenced by the Other B11 Machine Tool Safety Standards* (revision of ANSI B11.19-1990 (R1997)) – April 29, 2003.
- ANSI/EIA 364-109-2003, *Inductance (Loop) Measurement Test Procedure for Electrical Connectors (1 nH–10 nH)* (new standard) – May 20, 2003.
- ANSI/IEEE 450-2002, *Recommended Practice for Maintenance, Testing, and Replacement of Vented Lead-Acid Batteries for Stationary Applications* (revision of ANSI/IEEE 450-1994) – April 18, 2003.
- ANSI/IEEE 1008-2002, *Standard for Software Unit Testing* (new standard) – April 18, 2003.
- ANSI/ISA RP12.06.01-2003, *Recommended Practice for Wiring Methods for Hazardous (Classified) Locations Instrumentation—Part 1: Intrinsic Safety* (revision of ANSI/ISA S12.06.01-1995 (R2002)) – April 16, 2003.
- ANSI/UL 69-2003, *Standard for Safety for Electric-Fence Controllers* (revision of ANSI/UL 69-2002) – May 8, 2003.
- ANSI/UL 80-2003, *Standard for Safety for Steel Tanks for Oil-Burner Fuel* (revision of ANSI/UL 80-2000) – April 15, 2003.
- ANSI/UL 1450-2003, *Standard for Safety for Motor-Operated Air Compressors, Vacuum Pumps, and Painting Equipment* (revision of ANSI/UL 1450-2001) – May 20, 2003.

**The following international standards are currently in coordination** (comment due dates follow each entry):

- ISO/DIS 7240-6, *Fire detection and alarm systems—Part 6: Point-type fire detectors for detection of carbon monoxide* – August 9, 2003.
- ISO/DIS 7240-11, *Fire detection and alarm systems—Part 11: Manual call points* – July 12, 2003.
- ISO/DIS 19879, *Metallic tube connections for fluid power and general use—Test methods for hydraulic fluid power connections* – August 9, 2003.
- ISO/DIS 22612, *Clothing for protection against infectious agents—Test method for resistance to penetration by biologically contaminant dust through protective clothing materials* – August 2, 2003.
- ISO/PWI 16427, *Instrumentation for mechanical power flow measurement* – August 2, 2003.

**The following newly published international standards are available:**

- IEC 60405 Ed. 2.0 en:2003, *Nuclear instrumentation – Constructional requirements and classification of radio-metric gauges*.
- IEC 60695-5-3 TS Ed. 1.0 b:2003, *Fire hazard testing—Part 5-3: Corrosion damage effects of fire effluent – Leakage-current and metal-loss test method*.
- IEC 61010-3 TR Ed. 2.0 en:2003, *Safety requirements for electrical equipment for measurement, control, and laboratory use—Part 3: Protocol for the preparation of conformity verification reports for the IEC 61010 2nd edition series*.
- IEC 61010-3-1 TR Ed. 2.0 en:2003, *Safety requirements for electrical equipment for measurement, control, and laboratory use—Part 3-1: Conformity verification report for IEC 61010-1:2001 – General Requirements*.
- ISO 10576-1:2003, *Statistical methods – Guidelines for the evaluation of conformity with specified requirements—Part 1: General Principles*.
- ISO 13374-1:2003, *Condition monitoring and diagnostics of machines – Data processing, communication and presentation—Part 1: General Guidelines*.
- ISO 14912:2003, *Gas analysis – Conversion of gas mixture composition data*.
- ISO 15011-2:2003, *Health and safety in welding and allied processes – Laboratory method for sampling fume and gases generated by arc welding—Part 2: Determination of emission rates of gases, except ozone*.
- ISO 15767:2003, *Workplace atmospheres – Controlling and characterizing errors in weighing collected aerosols*.
- ISO 17492:2003, *Clothing for protection against heat and flame – Determination of heat transmission on exposure to both flame and radiant heat*.

## American National Standards Projects Initiated

The following is a list of proposed new American National Standards or revisions to existing American National Standards submitted to ANSI by accredited standards developers. DOE employees or contractors interested in participating in these activities should contact the appropriate standards developing organization. DOE-TSL-4 lists the DOE representatives on NGS committees. If no DOE representative is listed, contact the TSPO for information on participating in NGS activities.

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### American Society of Mechanical Engineers (ASME)

**Office:** 3 Park Avenue, 20th Floor  
New York, NY 10016

**Contact:** Silvana Rodriguez-Bhatti

**Fax:** 212-591-8501

**E-mail:** [rodriguezs@asme.org](mailto:rodriguezs@asme.org)

- ASME B18.24.100-200x, *Part Identifying Number (PIN) Code System Standard for B18 Fastener Products* (new standard).

### CSA America, Inc. (CSA)

**Office:** 8501 East Pleasant Valley Road  
Cleveland, OH 44131-5575

**Contact:** Allen Callahan

**Fax:** 216-642-3463

**E-mail:** [al.callahan@csa-america.org](mailto:al.callahan@csa-america.org);  
[Jennifer.Henderson@csa-america.org](mailto:Jennifer.Henderson@csa-america.org)

- CSA FC 6-200x, *Portable Hydrogen Generators Using Fuel Processing Technologies* (new standard).

### ESD Association Inc. (EOS/ESD)

**Office:** 7900 Turin Road  
Building 3  
Rome, NY 13440-2069

**Contact:** Tammy Muldoon

**Fax:** 315-339-6793

**E-mail:** [tmuldoon@esda.org](mailto:tmuldoon@esda.org)

- ESD S20.20-200x, *ESD Association Standard for the Development of an Electrostatic Discharge Control Program for Protection of Electrical and Electronic Parts, Assemblies and Equipment* (revision of ANSI/ESD S20.20-1999).

### IPC—Association Connecting Electronics Industries (IPC)

**Office:** 2215 Sanders Road  
Northbrook, IL 60062-6135

**Contact:** Rhoda Butchin

**Fax:** 847-509-9798

**E-mail:** [Butcrh@ipc.org](mailto:Butcrh@ipc.org)

- IPC 8413-1-200x, *Specifications for Manufacturing Process Carriers for Handling Optical Fiber* (new standard).

### International Safety Equipment Association (ISEA)

**Office:** 1901 North Moore Street, Suite 808  
Arlington, VA 22209

**Contact:** Cristine Fargo

**Fax:** 703-525-2148

**E-mail:** [cfargo@safetysafetyequipment.org](mailto:cfargo@safetysafetyequipment.org)

- ISEA 107-200x, *High-Visibility Safety Apparel and Headwear* (revision of ANSI/ISEA 107-1999).

### National Electrical Contractors Association (NECA)

**Office:** 3 Bethesda Metro Center, Suite 1100  
Bethesda, MD 20814

**Contact:** Pearl Parker

**Fax:** 301-215-4500

**E-mail:** [psp@necanet.org](mailto:psp@necanet.org)

- NECA 10-200x, *Electrical Safety Practices for New Construction* (new standard).

### ASTM International

Standards activities of ASTM International (ASTM) are published monthly in *ASTM Standardization News*. Orders for subscriptions or single copies of *ASTM Standardization News* may be submitted to ASTM, Subscription Dept.-SN, 100 Barr Harbor Drive, West Conshohocken, PA 19428-2959. For information regarding ASTM membership, contact the Membership Services Department at 610-832-9691, fax 610-832-9667. ASTM publications may be ordered from the ASTM Customer Services Department at 610-832-9585, fax 610-832-9555. Comments on listed draft standards may be submitted by contacting the ASTM Standards Coordination Department at the above address. Questions may be addressed to the Technical Committee Operations Division at 610-832-9672, fax 610-832-9666. Additional information on ASTM activities is available on the ASTM Web site (<http://www.astm.org>). The following listings are extracted from *ASTM Standardization News* and are representative of NGS development activities that may be relevant to DOE operations.

**The following ASTM standards are currently in coordination** (the due date for all items is June 10, 2003):

- B 826-97, *Test Method for Monitoring Atmospheric Corrosion Tests by Electrical Resistance Probes* – revised standard.
- D 1129-03, *Terminology Relating to Water* – revised standard.
- D 1253-86(1996), *Test Methods for Residual Chlorine in Water* – revised standard.

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- D 6239-02, *Test Method for Uranium in Drinking Water by High-resolution Alpha-liquid-scintillation Spectrometry* – revised standard.
- E 1212-99 (includes change to title), *Practice for Quality Control Systems for Nondestructive Testing Agencies* – revised standard.
- E 1254-98, *Guide for Storage of Radiographs and Unexposed Industrial Radiographic Films* – revised standard.

**The following newly published standards are available from ASTM:**

- A 20/A 20M-02, *Specification for General Requirements for Steel Plates for Pressure Vessels* – revised standard.
- D 6842-02, *Guide for Designing Cost-Effective Sampling and Measurement Plans by Use of Estimated Uncertainty and Its Components in Waste Management Decision-Making* – new standard.
- E 537-02 (includes change to title), *Test Method for the Thermal Stability of Chemicals by Differential Scanning Calorimetry* – revised standard.
- E 1686-02, *Guide for Selection of Environmental Noise Measurements and Criteria* – revised standard.
- E 2121-03, *Practice for Installing Radon Mitigation Systems in Existing Low-Rise Residential Buildings* – revised standard.
- F 2230-02, *Guide for In-Situ Burning of Oil Spills on Water: Ice Conditions* – new standard.

**Comments, Questions, and Addresses**

Comments: If you have any questions or comments, please contact Rick Serbu, EH-53, Manager, DOE Technical Standards Program Office (TSPO), Phone 301-903-2856, Fax 301-903-6172, [Richard.Serbu@eh.doe.gov](mailto:Richard.Serbu@eh.doe.gov).

Addresses: *Standards Actions* and *The Standards Forum* are electronic newsletters available on the TSP Web Site (<http://tis.eh.doe.gov/techstds/>). To update your mailing and e-mail addresses, please contact Debbie Queener, ORNL, Phone 865-574-0398, Fax 865-574-8481, [queenerds@ornl.gov](mailto:queenerds@ornl.gov).

Technical Standards Activities: The TSPO would like to be kept informed of the status of technical standards that are being prepared or coordinated for DOE. Please provide this information to the TSPO at 865-574-0398, [queenerds@ornl.gov](mailto:queenerds@ornl.gov).